

IN THE UNITED STATES PATENT & TRADEMARKS OFFICE

Serial no: unknown

Filed: herewith Group Art Unit:

Inventors: Rex W. NEWKIRK, David D. MAENZ and Henry L. CLASSEN

Title: "ISOLATION OF INOSITOL FROM PLANT MATERIALS"

Attorney dkt: 101927/43

INFORMATION DISCLOSURE STATEMENT

- ☒ 1 Pursuant to 37 CFR 1.97(b)
[within 3 months of filing or prior to 1st Office Action]
- ☐ 2 Certification Pursuant to 37 CFR 1.97(c)
[before Final Office Action or Allowance]
- ☐ 3 Fee Payment Pursuant to 37 CFR 1.97(c)
[before Final Office Action or Allowance]
- ☐ 4 Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d)
[before issue fee payment]

Honourable Commissioner of Patents & Trademarks
Washington, D.C. 20231
U.S.A.

Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 and 1.98:

- ☒ 5 A list of documents on form PTO-1449. Copies of each identified document is submitted herewith. *EXCEPT AS MARKED.*

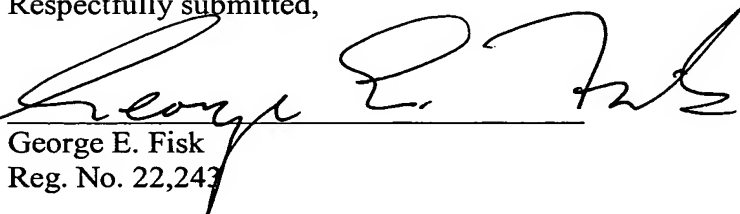
This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
 - ☐ 8 The required certification made in item 11 below; or
 - ☐ 9 The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.

.....2/

- ☐ 10 37 CFR § 1.97(d): [before issue fee payment]; and
- (a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$130.00) required by 37 CFR 1.17(i)(1) is authorized in item 14 below. (Direct this letter to: "Attention: PETITIONS EXAMINER" and if applicable include batch locator information: e.g. "Allowed Files, Batch _____, Date of Allowance _____"); and
- (b) The required Certification is stated in item 11 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonably inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- ☒ 14 The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 501-456. Two copies of this form are enclosed for use in connection with any Deposit Account activity.

Respectfully submitted,


George E. Fisk
Reg. No. 22,243

BLAKE, CASSELS & GRAYDON LLP
World Exchange Plaza
45 O'Connor Street, 20th Floor
Ottawa, Ontario, K1P 1A4, CANADA

Phone: (613)-788-2242
Fax: (613)-788-2247

Dated: May 16, 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	unknown
--------------------	---------

Filing Date	herewith
-------------	----------

First Named Inventor

Art Unit

Examiner Name

Attorney Docket Number	101927/43
------------------------	-----------

Sheet	1	of	4
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		JP 04 365489	12-17-1992	MITSUI TOATSU		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	unknown 10/535270
		Filing Date	herewith
		First Named Inventor	NEWKIRK, Rex W.
		Art Unit	
		Examiner Name	
Sheet 2	of 4	Attorney Docket Number	101927/43

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	*	PATENT ABSTRACTS OF JAPAN, vol. 0172, no. 36 (C-1057), 13 May 1993 (1993-05-13)	
		KAUFMAN H. W. AND KLEINBERG I.: "Hydrolysis of Phytate and its Inositol Phosphate Intermediates by an Acid and an Alkaline Phosphatase". <i>NOT ENCLOSED - CITED BUT NOT SUPPLIED BY PCT</i> ARCHS ORAL BIOL., vol 20, 1975, pages 157-160, XP000902746, the whole document.	
	*	LIM P E ET AL.: "THE PHYTASES II. PROPERTIES OF PHYTASE REACTIONS F1 AND F2 FROM WHEAT BRAN AND THE MYO-INOSITOL	
	*	PHOSPHATES PRODUCED BY FRACTION F2" BIOCHIMICA ET BIOPHYSICA ACTA, AMSTERDAM, NL, vol. 302, no. 2 E43, 1973, pages 316-328, XP000972485, ISSN: 0006-3002, the whole document.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

3014R3 18 MAY 2005

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	unknown 10/535270
		Filing Date	herewith
		First Named Inventor	
		Art Unit	
		Examiner Name	
Sheet 3 of 4	Attorney Docket Number	101927/43	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MULLANEY E J ET AL: "The term phytase comprises several different classes of enzymes" BIOCHEMNICAL AND BIOPHYSICAL RESEARCH	
	*	COMMUNICATIONS, ACADEMIC PRESS INC., ORLANDO, FL, US, vol. 312, no. 1, 5 December 2003 (2003-12-05), pages 179-184,	
	*	XP004473248, ISSN: 0006-291X, the whole document.	
		DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1998, PIZZOFRATO, L. ET AL PIZZOFRATO,	
		L. ET AL: "31P NMR spectra of myo- inositol phosphates in model systems and foods 31P NMR spectra of myo- inositol phosphates in model systems	
		and foods", Database accession no. 1998: 145617, XP000227293, abstract, & CURRENT STATUS AND FUTURE TRENDS IN ANALYTICAL	
		FOOD CHEMISTRY, PROCEEDINGS OF THE EUROPEAN CONFERENCE ON FOOD CHEMISTRY, 8TH, VIENNA, SEPT. 18-20, 1995, VOLUME 3,	
		644-647. EDITOR(S): SONTAG, GERHARD; PFANNHAUSER, WERNER. PUBLISHER: AUSTRIAN CHEMICA, 1995.	
		NOT ENCLOSED - CITED BY PCT EXAMINER BUT NOT SUPPLIED	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

18 MAY 2005

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	unknown 10/535270
		Filing Date	herewith
		First Named Inventor	
		Art Unit	
		Examiner Name	
Sheet 4 of 4	Attorney Docket Number	101927/43	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CHEN Q-C ET AL: "Separation of phytyc acid and other related inositol phosphates by high-performance ion chromatography and its	
	*	applications" JOURNAL OF CHROMATOGRAPHY A, ELSEVIER SCIENCE, NL, vol. 1018, no. 1, 7 November 2003 (2003-11-07), pages 41-52,	
	*	XP004463107, ISSN: 0021-9673, the whole document.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.